

AMENDMENTS TO THE SPECIFICATION

Please amend the specification as follows:

Please amend the paragraph at page 1, lines 11-12 to read:

STATEMENT REGARDING GOVERNMENT RIGHTS

~~The~~ This invention described herein was made with government support ~~from the U.S. Government, which~~ under grant no. HL07712-07 awarded by the National Institutes of Health. The government has certain rights in the invention.

Please amend the paragraph at page 7, lines 19-28 to read:

Specifically preferred therapeutic ~~targets~~ agents for use in the methods and systems of the invention include proteases and other enzymes e.g. a collagenase such as Clostridial collagenase, a proteolytic enzyme that dissolves collagen, and/or an elastase such as a pancreatic elastase, a proteolytic enzyme that dissolves elastin. Preferred delivery of collagenase and other therapeutic agents of the invention include directly injecting the agent into the target lesion or other obstruction. Preferably, a homogeneous distribution of a therapeutic enzyme or enzyme mixture is administered to a target site with a drug delivery catheter. The therapeutic agent can then dissolve the key extracellular collagen components necessary to solubilize the obstructing tissue from the vessel wall near the lumen.